# Session I — Permitting Improvements through Technology



Creating Efficiencies through Sustaining Technology and Agency Partnerships

Bureau of Statistics and Plans, Guam Coastal Management Program Marvin Aguilar, Territorial Chief Planner of Guam Department of Land Management – Application Review Committee Frank Lujan, Chief Technology Officer, Office of Technology (OTECH)



## Contract

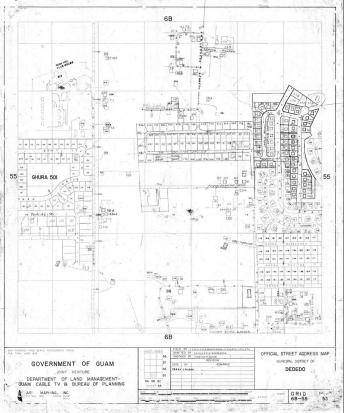
- OTECH contracted FLAME TREE Freedom Center (FTFC) to update the street mapping system
- REPLACE an antiquated system and create a new baseline standard for street names and assigning house numbers
- System to be provided to
  - GPD to support the emergency dispatch
  - Mayors to give them an application that would allow them to process street name changes more efficiently and provide a tool to help manage the respective villages
  - DPW to replace its paper process and to assign house numbers via georeferencing

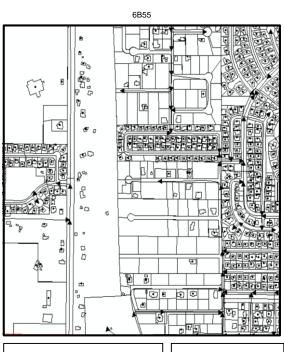
#### Original Mylars provided by Department of Public Works

### Mylars scanned to be overlayed on to GIS Application for Updates

### Electronically generated, fit to scale using Satellite imagery

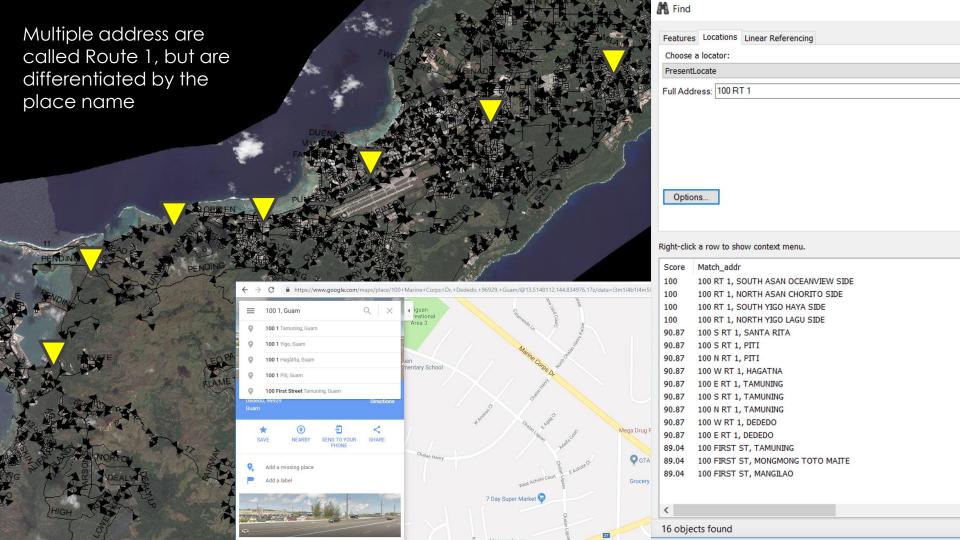






GOVERNMENT OF GUAM
Joint Venture
DEPARTMENT OF LAND
MANAGEMENT
FLAME TREE Freedom Center, Inc.

OFFICIAL STREET
ADDRESS MAP
MUNICIPAL, DISTRICT
OF
DEDEDO



#### This address point was only associated with Marine Corps Drive

- Now it lists all street names AND aliases



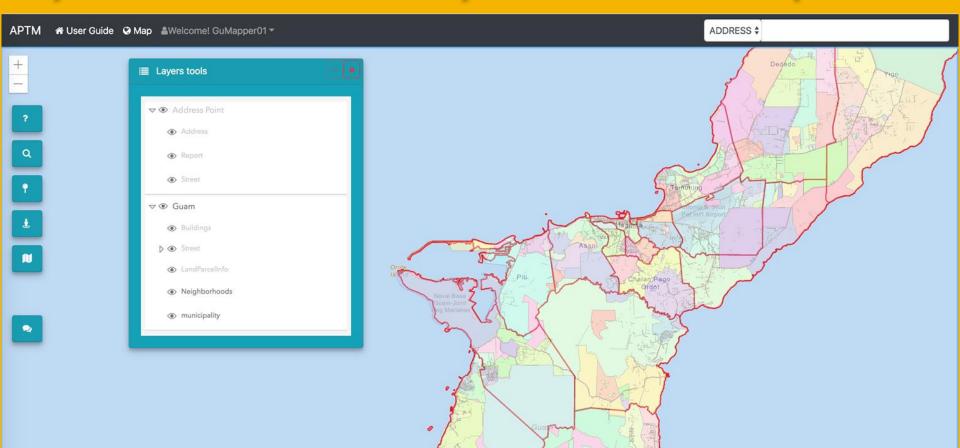
### **Building Footprints**

Before After

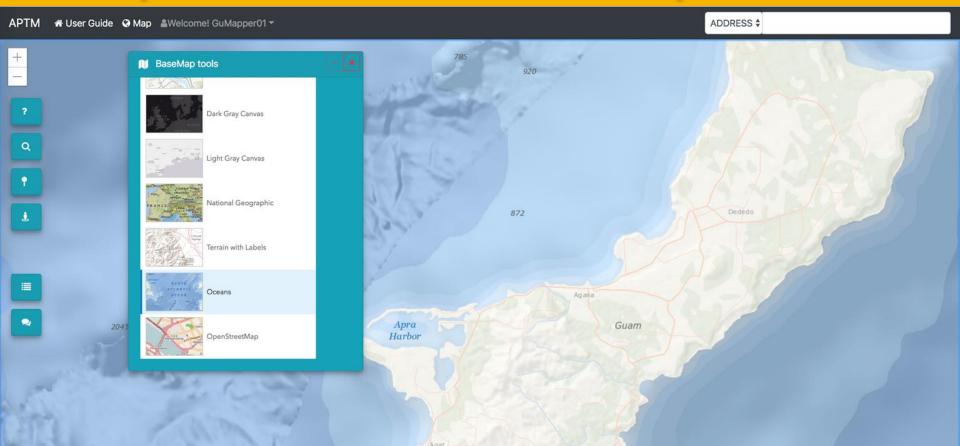




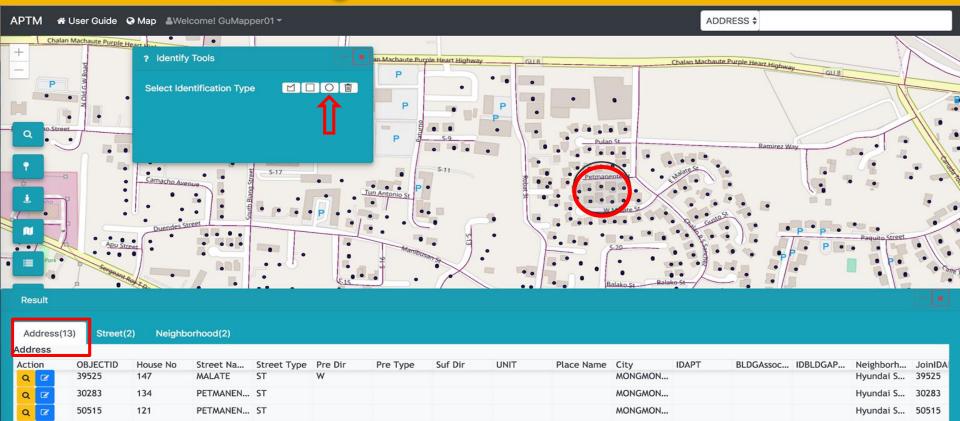
### Features: Layer Tools - Choose what layers to see on the map



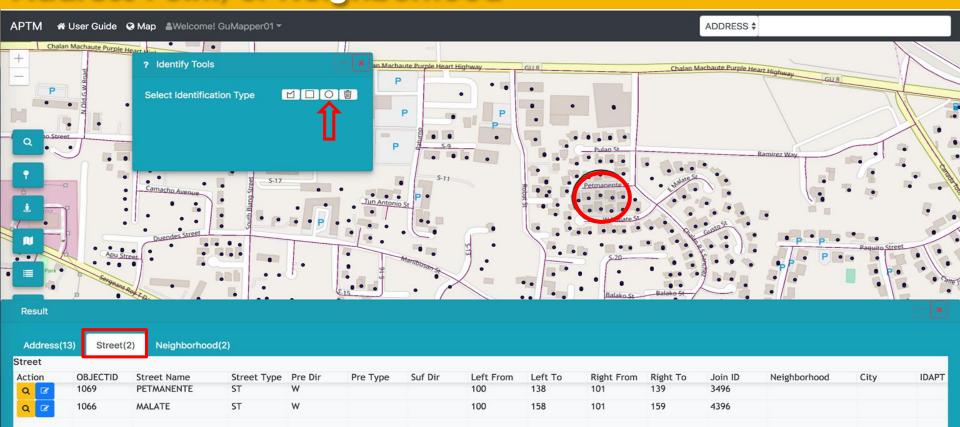
### Features: BaseMap Tools - Choose different Base Maps



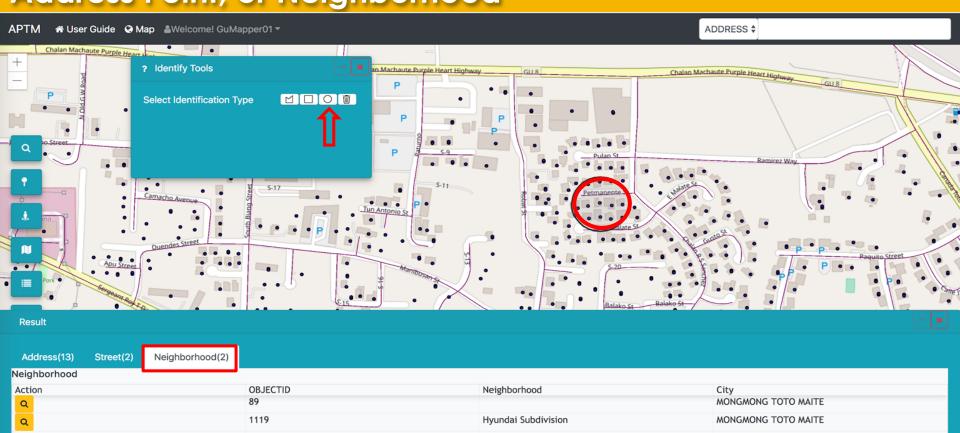
### Features: Identify - Look Up Specific Information About a Street, Address Point, or Neighborhood



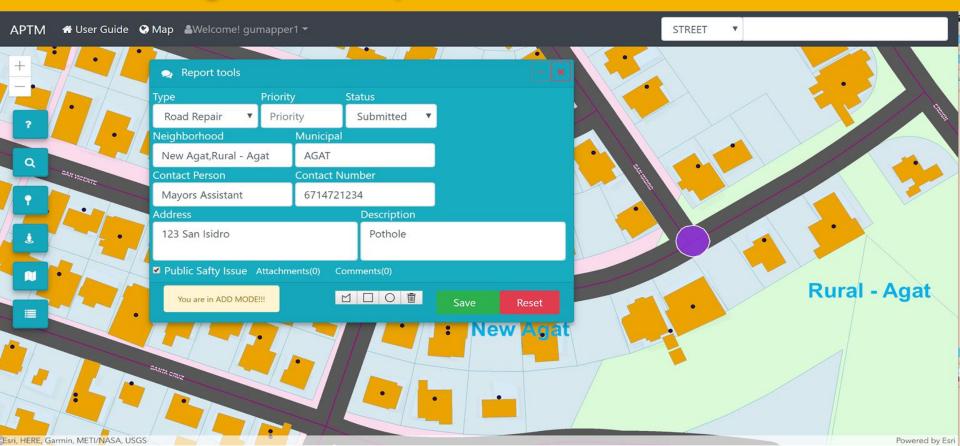
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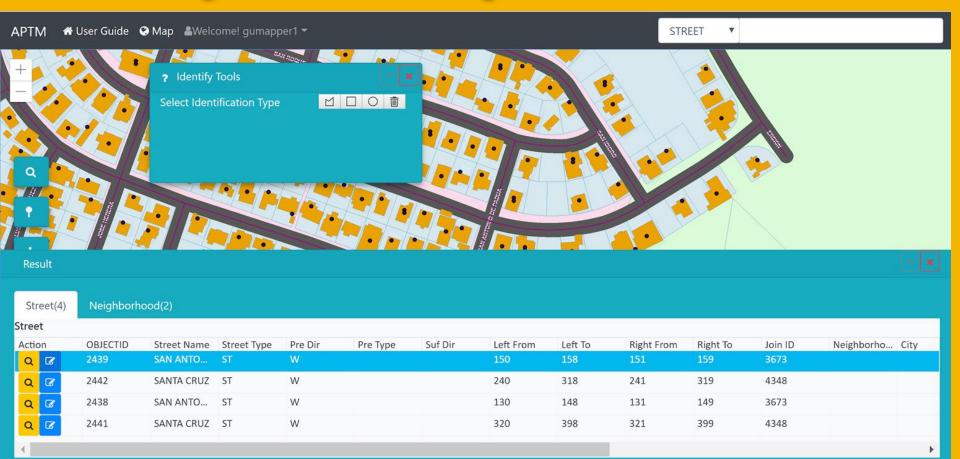
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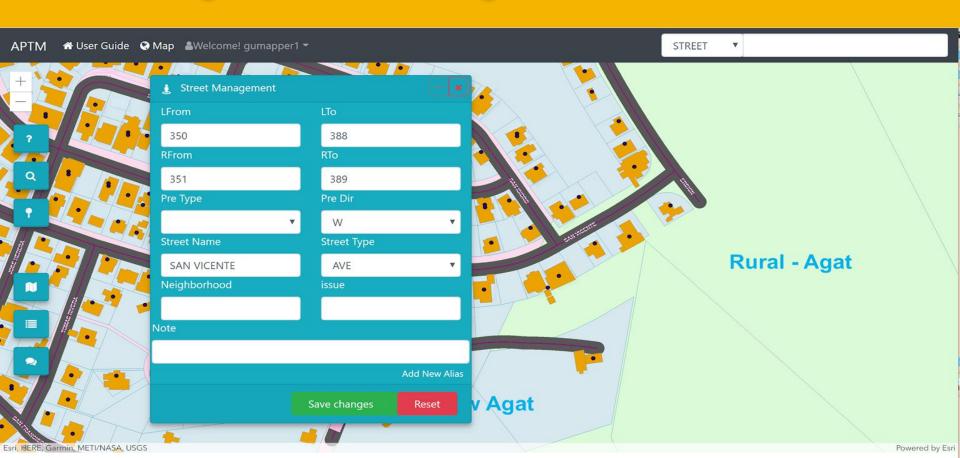
### Features: Street Management - Report an Issue



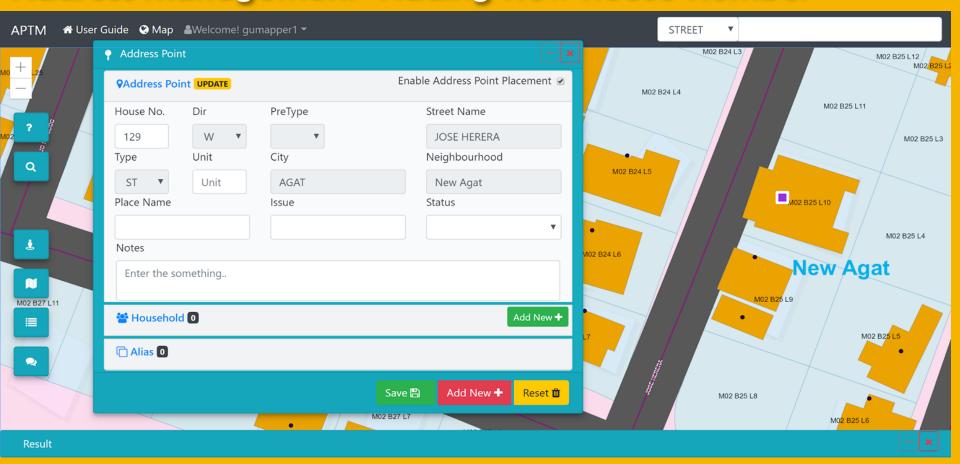
### Features: Street Management- Renaming Streets



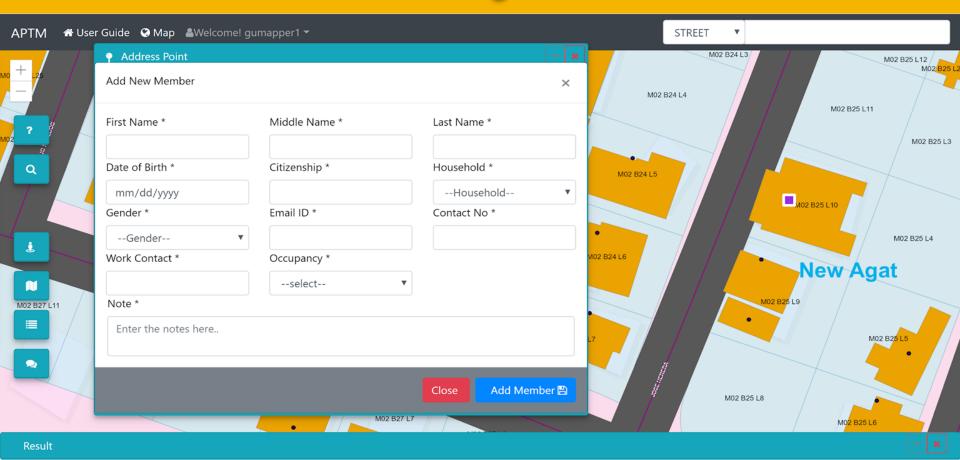
### Features: Street Management- Renaming Streets



### Features: Address Management- Adding New House Number



### Features: Residential Verification - Adding New House Member



### Coastal ARC Online

### **Overview**

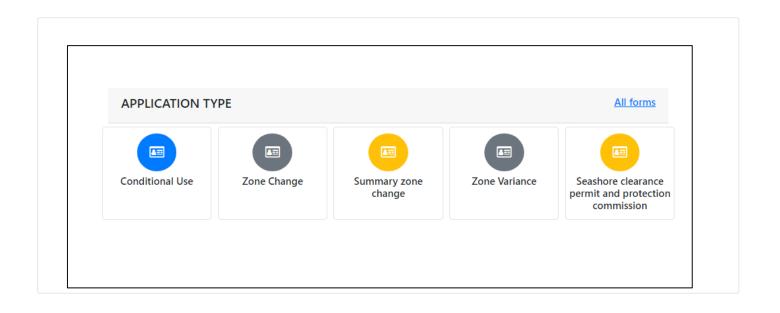
Website Application (coastalarconline.com)

- User Groups
  - o Admin (ARC)
  - Reviewer (Department i.e. BSP)
  - Applicant (End User)
- Process for each user
  - Go through website pages
- Collaborative Review

### Applicant User

#### **Choose Application Type**

ARC Hi applicant! Home About Us Profile ▼ Contact Us



#### **Complete Application**

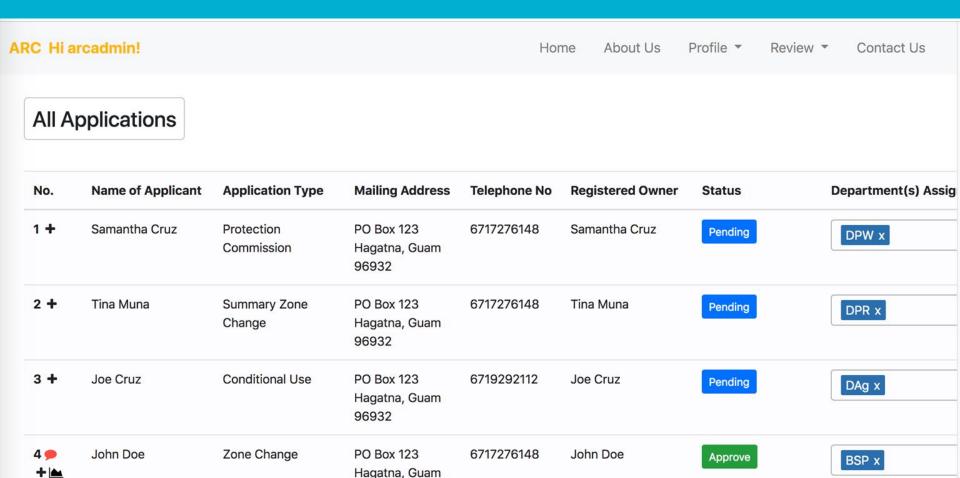
ARC Hi applicant! Home About Us Profile ▼ Contact Us

#### **ZONE CHANGE**

TO:Executive Secretary, c/o Land planning Division, Depa	; rision, Department of Land Management:									
The Undersigned owners.  1. Information on Applicant:	The Undersigned owner(s)/lessee(s) of the following described propertyhereby request consideration for a Zone Change.  Information on Applicant:									
Name of Applicant*	Telephone No*	Telephone No*								
Name	Business	Home								
Mailing Address*		U.S. Citizen*								
Enter your address		● Yes ● No								

### ARC Admin User

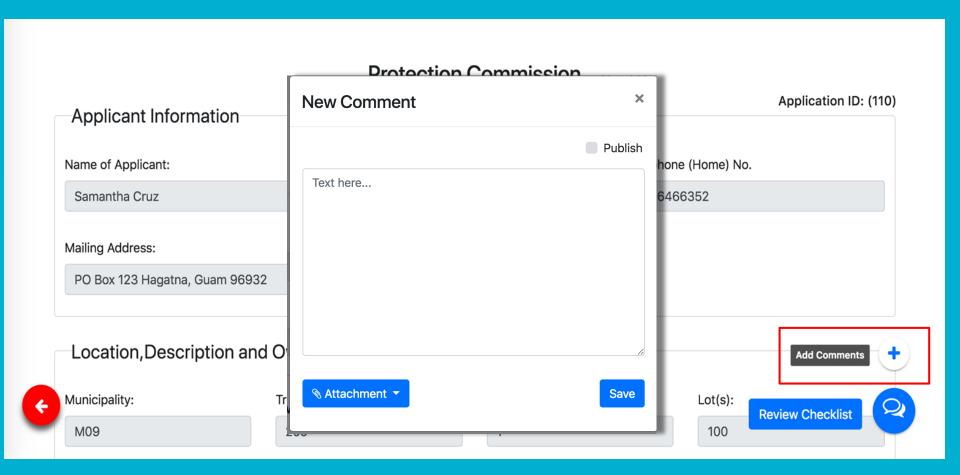
### **Choose Application from Dashboard**



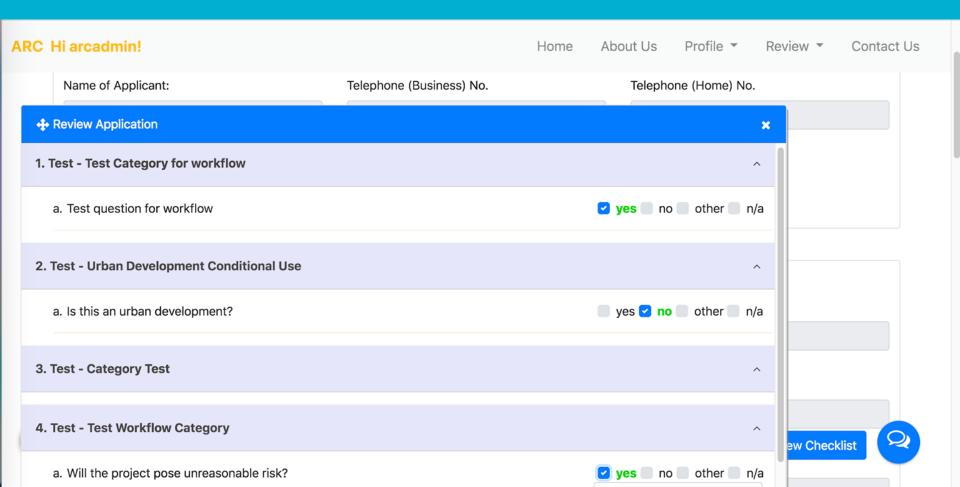
### Assign Department to Complete Review

AF	RC Hia	rcadmin!			Но	me About Us	Profile ▼	Review ▼ Contact Us
	All A	oplications						
	No.	Name of Applicant	Application Type	Mailing Address	Telephone No	Registered Owne	r Status	Department(s) Assig
2.7	1+	Samantha Cruz	Protection Commission	PO Box 123 Hagatna, Guam 96932	6717276148	Samantha Cruz	Pending	DPW x
	2 +	Tina Muna	Summary Zone Change	PO Box 123 Hagatna, Guam 96932	6717276148	Tina Muna	Pending	DPR x
	3 +	Joe Cruz	Conditional Use	PO Box 123 Hagatna, Guam 96932	6719292112	Joe Cruz	Pending	DAg x
	4 <b>9</b> + 🔼	John Doe	Zone Change	PO Box 123 Hagatna, Guam	6717276148	John Doe	Approve	BSP x

#### **Make Comments if Needed**



#### **Complete Review Using Checklist**



#### **Change Status to Approved**

